

N<sup>o</sup> of ounces of pure silver in disks of different diameters

and of one inch thickness. Sp.gr. Ag @ 60° + 30' = 10.45 l. { 7853982 = -1.8950900

C.I. water @ 60° Fah. 30' Bar = 252.47 grs. { 5.496475 = 0.7400842  
C.I. Pure silver @ 60° + 30' = 2638.31 grs = 5.496475 oz. Troy  
S. Inches oz. pure silver

d.	d <sup>2</sup>	$d^2 \times 7853982$	$d^2 \times 7853982 \times 5.496475$	1. diff	2. diff
9	81 <sup>19</sup>	63.6173	349.671	73.387	8.634
10	100 <sup>21</sup>	78.5398	431.692 <sup>2</sup> <del>430.189</del>	82.025	8.634
11	121 <sup>23</sup>	95.0323	522.342	90.654	8.633
12	144 <sup>25</sup>	113.1097	621.637 <sup>2</sup> <del>621.1097</del>	99.288	8.634
13	169 <sup>27</sup>	132.732	729.560	107.923	8.635
14	196 <sup>29</sup>	153.938	846.117	116.555	8.632
15	225 <sup>31</sup>	176.715	971.307	125.190	8.635
16	256 <sup>33</sup>	201.062	1105.139	133.822	8.632
17	289 <sup>35</sup>	226.980	1247.5805	142.46	8.64
18	324 <sup>37</sup>	254.469	1398.68	151.09	8.63
19	361 <sup>39</sup>	283.529	1558.71	159.72	8.63
20	400 <sup>41</sup>	314.159	1726.77	168.36	8.64
21	441 <sup>43</sup>	346.361	1903.76	176.99	8.63
22	484 <sup>45</sup>	380.133	2089.39	185.63	8.64
23	529 <sup>47</sup>	415.476	2283.65	194.26	8.63
24	576 <sup>49</sup>	452.389	2486.55	202.89	8.63
25	625 <sup>51</sup>	490.874	2698.08	211.53	8.64
26	676 <sup>53</sup>	530.2655	276.283	<del>73.387</del> <del>64.753</del>	8.634
27	729 <sup>55</sup>	38.4845	211.529	56.119	8.634
28	784 <sup>57</sup>	28.2743	155.409	47.486	8.634
29	841 <sup>59</sup>	19.63496	107.923	38.852	8.634
30	901 <sup>61</sup>	12.5664	69.0707	30.2184	8.634
31	961 <sup>63</sup>	7.0685184	38.852	<del>8.0685184</del> <del>21.5848</del>	8.634
32	1021 <sup>65</sup>	3.441592	18.2671	<del>3.441592</del> <del>4.31692</del>	8.63332
33	1081 <sup>67</sup>	7853982	<del>7853982</del>	12.9502	

$d$	$d^2$	area in square inches $d^2 \times .7853982$	or pure silver, area $\times .5.496475$
26	676 <sup>57</sup>	530.929	2698.08 217.53 2918.24 220.16 8.63
27	729 <sup>53</sup>	572.555	3147.04 <del>3000.00</del> 228.80 8.64
28	784 <sup>55</sup>	615.752	3384.47 237.43 8.63
29	841 <sup>57</sup>	660.520	3630.53 246.06 8.63
30	900 <sup>59</sup>	706.858	3885.23 254.70 8.64
31	961 <sup>61</sup>	754.768	4148.56 263.33 8.63
32	1024 <sup>63</sup>	804.248	4420.53 271.97 8.64
33	1089 <sup>65</sup>		
34	1156 <sup>67</sup>		
35	1225 <sup>69</sup>		
36	1296 <sup>71</sup>		
37	1369 <sup>73</sup>		
38	1444 <sup>75</sup>		
39	1521 <sup>77</sup>		
40	1600 <sup>79</sup>		